Double Beam UV-Vis Spectrophotometer
LX211DS

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Description

Double beam UV-Vis Spectrophotometer LX211DS is a double beam spectrophotometer with 190 to 1100 nm wavelength range, Deuterium Lamp (UV light) and Tungsten lamp (visible light) as a light source. Equipped with TFT color screen and windows graphic interface. Advanced ARM system and long optical system assures precision measurements and good stability of the instrument.

Specifications

Optical system	Double beam, Grating 1200 lines/mm
Wavelength range	190 ~ 1100 nm
Spectral bandwidth	1 nm
Wavelength accuracy	±0.1nm@656.1nm, ±0.3nm@all
Wavelength repeatability	≤0.1 nm
Photometric accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)
Photometric repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)
Photometric range	0-200%T, -0.3~3A, 0-9999C (0-9999F)
Stray light	≤0.03%T@220nm, 360nm
Stability	±0.0003A/h @500 nm
Baseline flatness	±0.001A
Photometric mode	T , A , C , E
Noise	0.0005A@500nm
Scanning speed	Hi, Med, Low (Max. 3000nm/min)
Wavelength setting	Automatic
Display	7
Light source	Imported deuterium & Tungsten lamp
Detector	Imported silicon photodiode

Cuvette holder	10mm single hole cell holder
Data output	USB drive, USB host, RS232
Power	AC 220 / 50 Hz or AC 110 / 60 Hz
Dimension	590 x 475 x 250 mm
Net weight	20 Kg
Packaging dimension	810 x 660 x 390 mm
Gross weight	27 Kg

Features

- 7 inch TFT color screen
- 190 to 1100 nm Wide Wavelength range
- Came with massive 1GB memory storage for test data and working curves
- Performs photometric, quantitative, kinetic, spectrum scan, multi-wavelength measurements etc
- USB port and SD card for data transfer to PC and other devices for further analysis, processing and storage
- Available with optional Auto 8 Cell holder

Applications

- Utilized for biochemistry, biotechnology, microbial science, chemistry, pharmacy, water testing, ecological and food science industries for Quality & Research analysis.

Standard Accessories

- Glass cuvette 10 mm / 1 set of 4
- Quartz cuvette 10 mm / 1 set of 2
- Power cable
- PC software

Optional Accessories

- Glass cuvettes 5 to 100 mm
- Quartz cuvettes 5 to 100 mm
- Manual 4-cell holder (10 to 100 mm)
- Auto 8-cell holder
- Tungsten lamp

- Deuterium lamp
- 21 CFR part 11 compliant software

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